



PTO/SB/08A (04-03)

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Sheet 1 of 1

Complete if Known

| | |
|------------------------|----------------------|
| Application Number | 10/827,532 |
| Filing Date | April 20, 2004 |
| First Named Inventor | Sang-chae KIM, et al |
| Art Unit | 2127 3729 |
| Examiner Name | Tai Van Nguyen |
| Attorney Docket Number | 277/037 |

U. S. PATENT DOCUMENTS

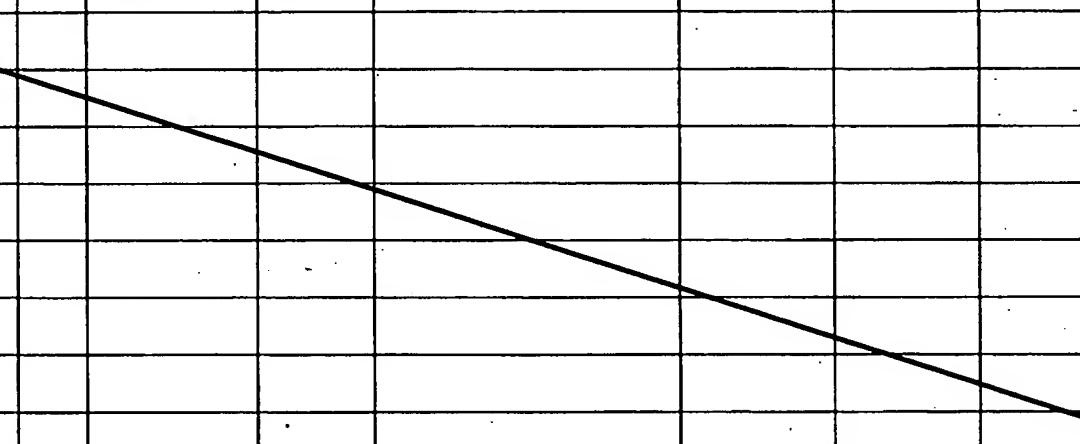
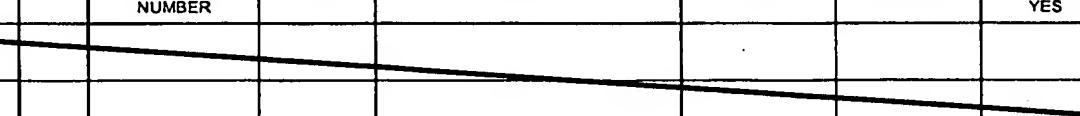
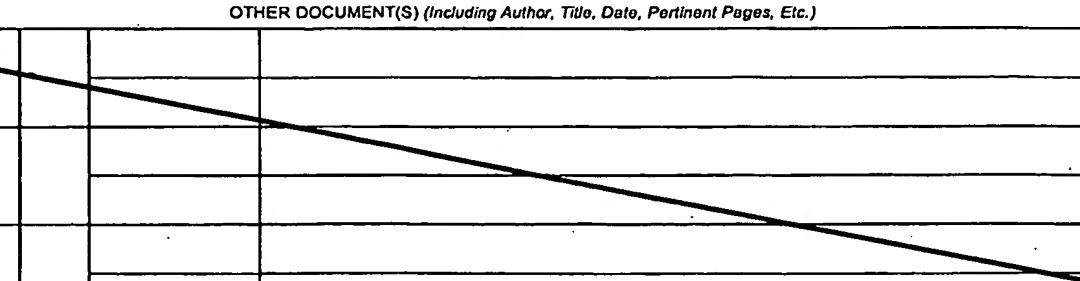
FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|---|------------------|---|---|----------------|
| | | Country Code ³ ~Number ⁴ ~Kind Code ⁵ (if known) | MM-DD-YYYY | | | |
| TN | 1 | KR 10-0212566 * | 05-11-1999 | | | |
| TN | 2 | KR 10-2002-0082527 * | 10-31-2002 | PARK, et al. | | |
| TN | 3 | KR 10-2003-0013893 * | 02-15-2003 | KIM, et al. | | |
| | | * with English | | | | |
| | | Abstract | | | | |

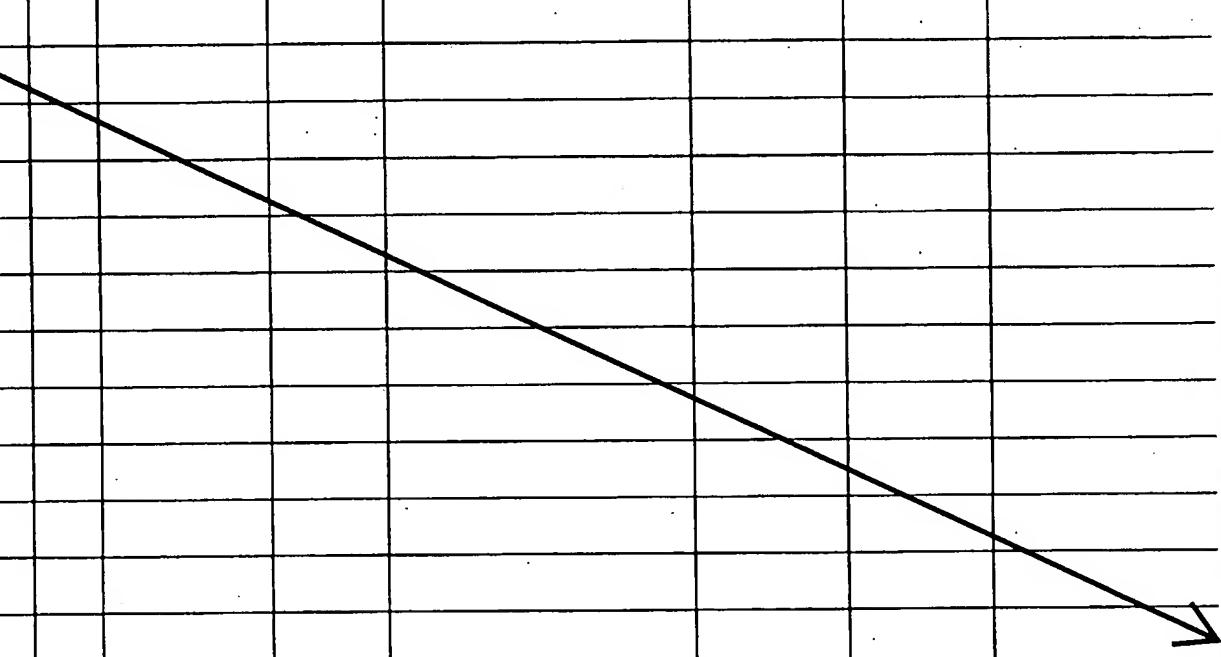
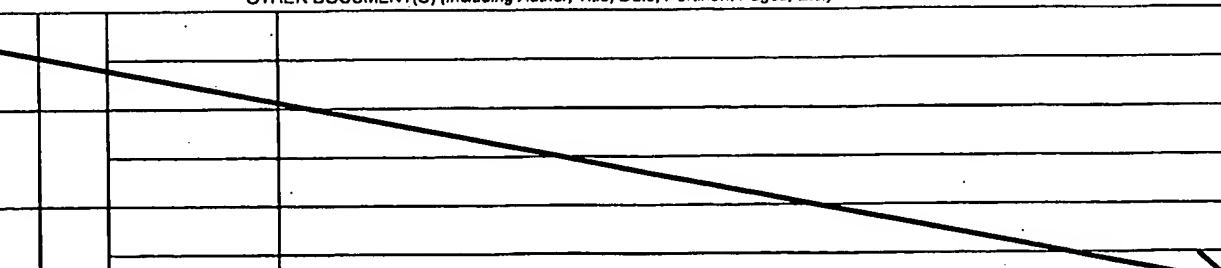
Examiner Signature /Tai Nguyen/ Date Considered 01/31/2007
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Translation is attached.
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| FORM PTO 1449 (modified) | | ATTY DOCKET NO. 277/037 | | SERIAL NO. 10/827,532 | |
|--|-----------------|-----------------------------------|---------|--------------------------|-----------------------|
| U.S. DEPARTMENT OF COMMERCE | | APPLICANT Sang-chae KIM et al. | | | |
| | | FILING DATE April 20, 2004 | | GROUP 3729 | |
| U.S. PATENT DOCUMENTS | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS |
| TN | | 6051907 | 4/00 | YLILAMMI | 310/312 |
| TN | | 4107349 | 8/78 | VIG | 427/36 |
| TN | | 6242843 | 6/01 | POHJONEN, et al. | 310/313 |
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| FOREIGN PATENT DOCUMENTS | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | TRANSLATION YES NO |
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| OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | |
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| U.S. DEPARTMENT OF COMMERCE | | APPLICANT Sang-chee KIM et al. | | | | | |
| | | FILING DATE Concurrently | 04/20/2004 | GROUP 3729 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| TN | | 5162691 | 11/92 | MARIANI, et al. | 310/321 | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
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